

**EMERGENCY RESPONSE REPORT**  
**ARNETTE FIRE, RICHMOND, MISSOURI**

**Superfund Technical Assessment and Response Team (START) 3 Contract**

**Contract No. EP-S7-06-01, Task Order No. 0001.045**

Prepared For:

U.S. Environmental Protection Agency  
Region 7  
901 North 5<sup>th</sup> Street  
Kansas City, Kansas 66101

October 3, 2007

Prepared By:

Tetra Tech EM Inc.  
415 Oak Street  
Kansas City, Missouri 64106  
(816) 412-1741

40273817



Superfund

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## **1.0 INCIDENT**

The Tetra Tech EM Inc. (Tetra Tech) Superfund Technical Assessment and Response Team (START) was tasked by the U.S. Environmental Protection Agency (EPA) Region 7 Superfund Division to respond to a fire at the Arnette Limited, Inc., (Arnette) facility in Richmond, Missouri. Richmond is the county seat of Ray County and has a population of approximately 6,100. Arnette is a chemical manufacturing company (synthetic rubber, polyurethane spray foam, etc.) that operates two facilities in the City at 9109 Wollard Boulevard and 1002 West Main Street. The emergency response was to the facility on Main Street.

On June 24, 2007, at approximately 1430 hours, EPA received a call on its emergency response hotline, reporting a fire at the facility. Personnel from the local fire department responded to extinguish the fire with foam and water. START was contacted by EPA at approximately 1500 hours on June 24, 2007, and requested to mobilize to the site to conduct air monitoring, assess threats to surface water and sewer systems presented by runoff from the site, and document site activities. START team members (STM) Rick Claytor and Kumud Pyakuryal responded to the incident and met with EPA Region 7 On-Scene Coordinator (OSC) Eddie McGlasson at the site.

## **2.0 EMERGENCY RESPONSE ACTIVITIES**

### **June 24, 2007**

STMs Claytor and Pyakuryal arrived at the site—located at 1002 West Main Street, Richmond, Missouri (see Appendix A, Figure 1)—at approximately 1730 hours on June 24, 2007. In addition to EPA and START, response authorities on site included personnel from the local fire department and the Missouri Department of Natural Resources (MDNR). Representatives from several television stations were also on site. Except for minor smoldering, the fire had been extinguished when START arrived, and no significant smoke plume was emanating from the facility. The fire had reportedly started in a trailer containing several 55-gallon drums of various resins, epoxies, and solvents adjacent to (north of) the main office building. Although the exact cause of the fire was uncertain, the trailer contained a heat source that maintained an elevated temperature inside to lower viscosity of the raw chemical materials.

Numerous charred 55-gallon drums and other metal debris were observed north and east of the trailer, and multiple aboveground storage tanks (AST), each approximately 4,000 to 20,000 gallons in size, were immediately east of the trailer (see Appendix B). Some of the ASTs were bulging as a result of the heat produced by the fire. The ASTs were assumed to contain cleaning solvents and other volatile organic

chemicals. The Pre-Comprehensive Environmental Response and Liability Information System (CERCLIS) screening form and site logbook are included as Appendices C and D, respectfully.

Several thousand gallons of water was used to fight the fire. Most of this runoff was confined to a concrete dock under the trailer; however, some runoff from fire-fighting activities had traveled to an unnamed creek adjacent to (east of) the Arnette facility. Visibly turbid and slightly milky liquid was observed in the creek from the probable point of entry (PPE) to approximately 100 feet downstream. EPA and MDNR personnel traveled approximately 0.5 mile downstream, but reported no visible adverse impact to nearby human health and the environment.

The nearest business was American Wilson Plastics located at 301 Industrial Drive, adjacent to (west of) the site. An additional business was located immediately north of the site, across West Main Street. The nearest residence is approximately 0.1 mile north of the site. It is unknown whether groundwater wells are nearby; the depth to groundwater in the site vicinity is unknown.

The earlier mentioned unnamed creek, adjacent to the site, travels south for approximately 2.25 miles from PPE before it enters Willow Creek. Willow Creek eventually enters the Missouri River approximately 8 miles southeast of the confluence of the unnamed creek and Willow Creek.

START conducted real-time air monitoring around the perimeter of the site using a MultiRae Plus multi-gas monitor with built-in photoionization detector (PID). The instrument indicated readings up to 3 parts per million (ppm) for carbon monoxide (CO) and up to 0.6 ppm of volatile organic compounds (VOC). Normal oxygen (O<sub>2</sub>) levels were detected throughout the site, and lower explosive limit readings were all 0 percent. Air inside the trailer and main building was irritating to the eyes and nose, although the source of the irritation was unknown.

START departed the site at 1730 hours, after OSC McGlasson collected four surface water samples and two sediment samples from the adjacent unnamed creek. No decision was made at the time whether to submit those samples for laboratory analysis. The samples were properly sealed and stored in a cooler while cleanup of the site was initiated by the potentially responsible party (PRP). However, because PRP completed the cleanup activities under the MDNR oversight, they were not submitted for analysis.

### **3.0 SUMMARY**

START assisted EPA Region 7 with response to a fire at the Arnette Limited, Inc., facility at 1002 West Main Street in Richmond, Missouri, on June 24, 2006. The fire started in a trailer containing several

55-gallon drums of various resins, epoxies, and solvents. Other response authorities on site included personnel from the local fire department and MDNR. Media representatives from several television stations were also present. Several thousand gallons of water was used to fight the fire; most of this water was confined in a concrete loading dock under the trailer, but some runoff was visible in an adjacent creek.

### **3.1 REMOVAL CONSIDERATIONS**

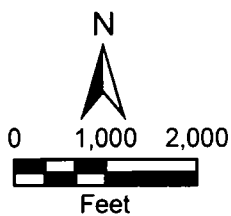
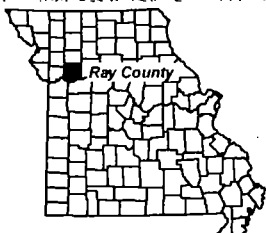
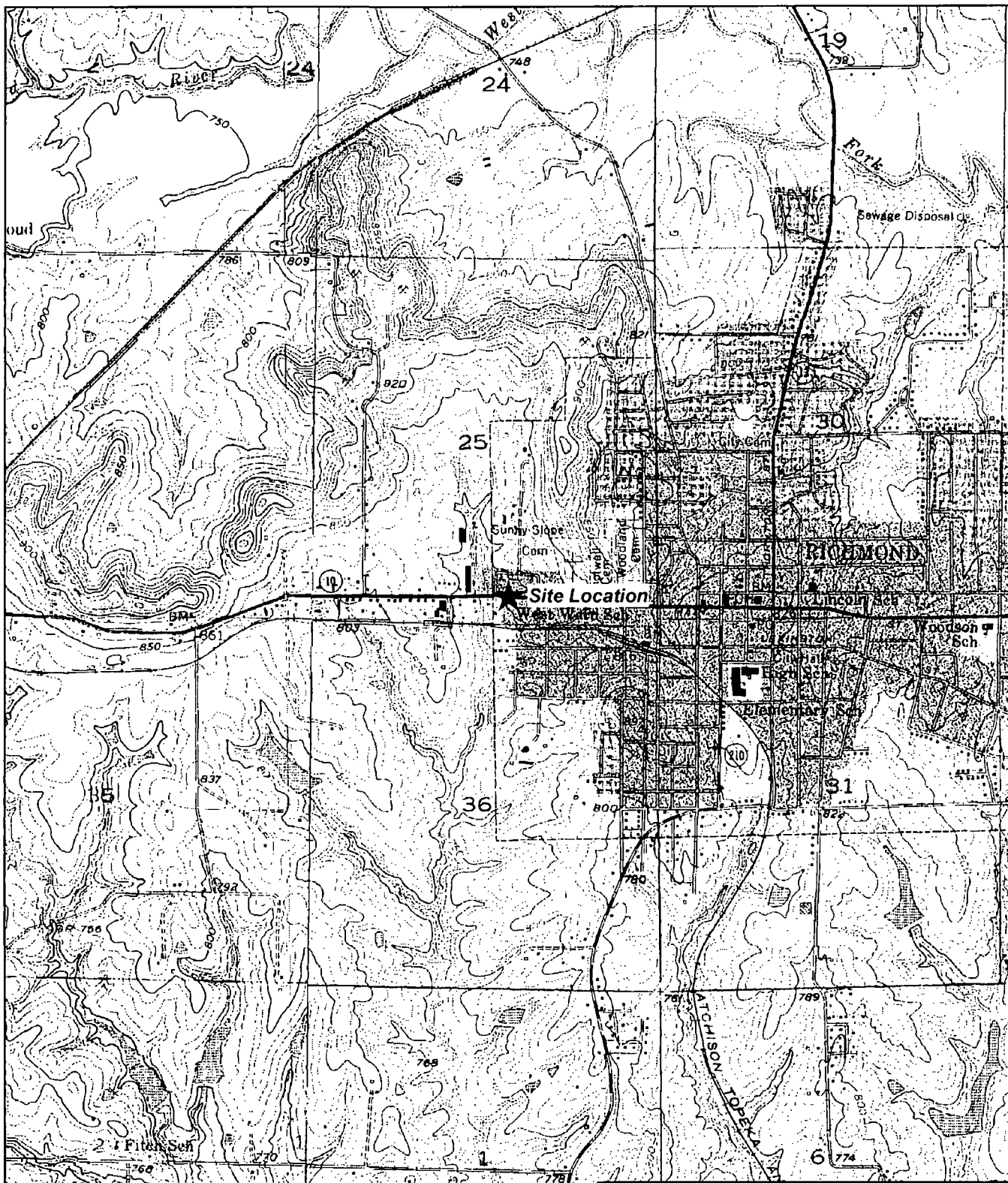
Arnette, the PRP, conducted cleanup of the site with MDNR oversight. The cleanup activities entailed addressing structural debris and contamination associated with the release of chemicals initiated by the fire, to ensure that impacts on human health and the environment were minimized.

The PRP cooled the trailer with water and secured the perimeter of the property to limit off-site runoff. Drums and other debris involved in the fire were overpacked and shipped off site for proper disposal. Also, because MDNR noted resin-like material in the adjacent creek, the PRP was asked to collect that material with a vacuum truck for disposal. All waste material was shipped off site on July 11, 2007. Although no further Superfund response appears necessary to address removal concerns, an inspection of Spill Prevention, Control, and Countermeasure (SPCC) issues related to the site may be warranted if it is confirmed that the facility handles petroleum products in storage tanks on the property.

### **3.2 PRE-REMEDIAL CONSIDERATIONS**

Because PRP-funded cleanup activities are believed to have addressed all threats to human health and the environment, no followup pre-remedial assessment appears warranted. A Pre-Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Screening Form is included as Appendix C.

**APPENDIX A**  
**FIGURES**



Arnette Fire  
1002 West Main Street  
Richmond, Missouri 64085

**Figure 1**  
Site Location Map

**TT** TETRA TECH EM INC.

Source: Rayville, MO USGS 7.5 Minute Topo Quad, 1957 and PR 1979  
Richmond, MO USGS 7.5 Minute Topo Quad, 1957 and PR 1979

Date: 10/01/07

Drawn By: BBI Spelling

Project No: 16034.L 06 0001 045

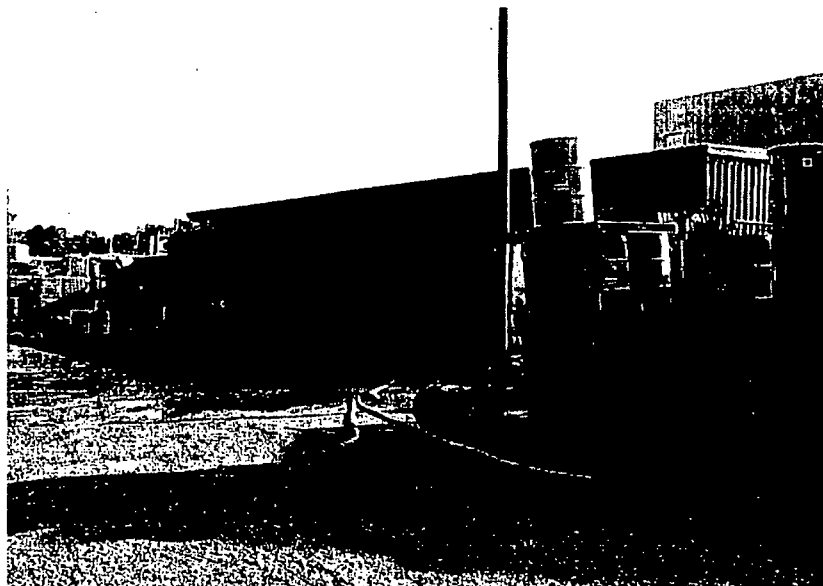
**APPENDIX B**  
**PHOTOGRAPHIC DOCUMENTATION**



**Arnette Fire Site  
Richmond, Missouri**



<b>TETRA TECH PROJECT NO.</b> X9004.06.0001.045  <b>Direction:</b> Southwest	<b>DESCRIPTION</b>	This photograph shows aboveground storage tanks (AST) and other packed chemical containers at the facility.	1
	<b>CLIENT</b>	U. S. Environmental Protection Agency Region 7	Date
	<b>PHOTOGRAPHER</b>	Rick Claytor	06/24/07



<b>TETRA TECH PROJECT NO.</b> X9004.06.0001.045  <b>Direction:</b> Southwest	<b>DESCRIPTION</b>	This photograph shows 55-gallon drums stored at the facility, with charred remains of the fire in the background.	2
	<b>CLIENT</b>	U. S. Environmental Protection Agency Region 7	Date
	<b>PHOTOGRAPHER</b>	Rick Claytor	06/24/07

**Arnette Fire Site  
Richmond, Missouri**



TETRA TECH PROJECT NO. X9004.06.0001.045  Direction: Southwest	DESCRIPTION	This photograph shows charred remains of the trailer where the fire started, and runoff from fire-fighting water/foam.	3
	CLIENT	U. S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Rick Claytor	06/24/07

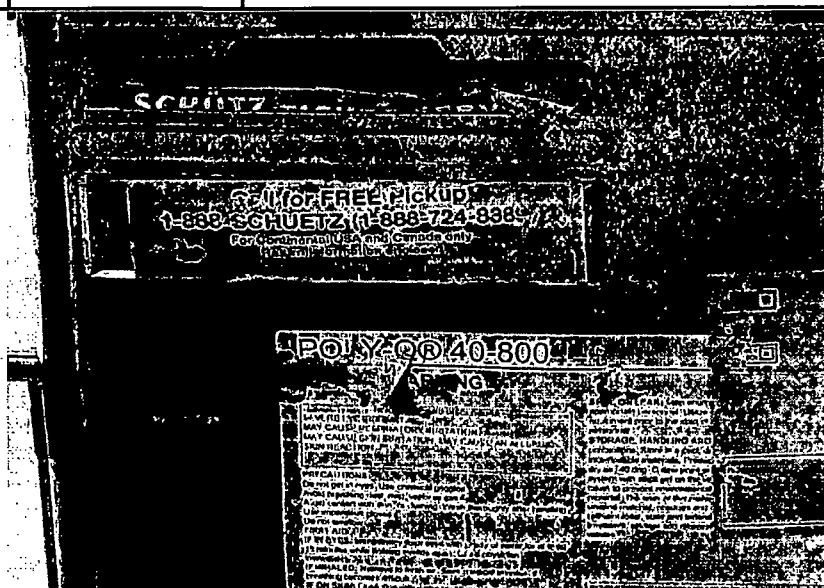


TETRA TECH PROJECT NO. X9004.06.0001.045  Direction: Southwest	DESCRIPTION	This photograph shows charred remains of the trailer where the fire started, and runoff from fire-fighting water/foam.	4
	CLIENT	U. S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Rick Claytor	06/24/07

**Arnette Fire Site  
Richmond, Missouri**

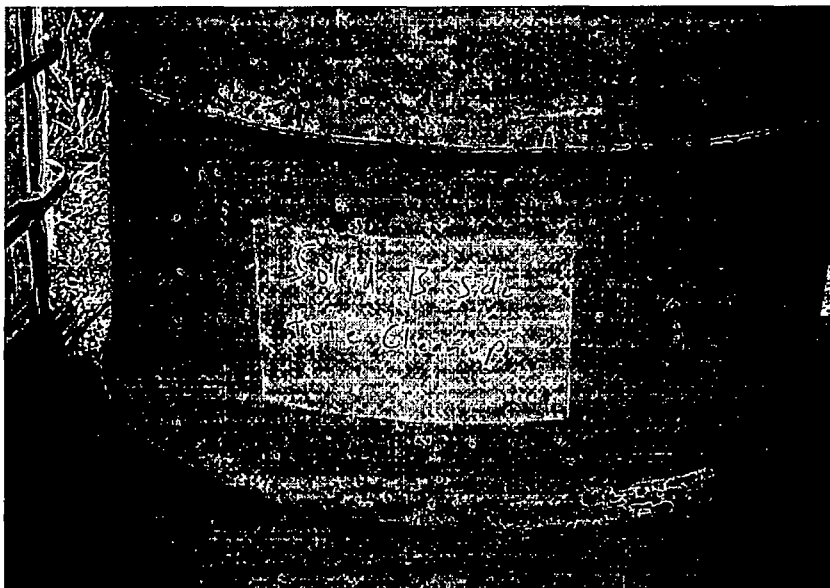


TETRA TECH PROJECT NO. X9004.06.0001.045  Direction: South	DESCRIPTION	This photograph shows 55-gallon drums stored in stacks at the site.	5
	CLIENT	U. S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Rick Claytor	06/24/07



TETRA TECH PROJECT NO. X9004.06.0001.045  Direction: North	DESCRIPTION	This photograph shows warning labels on a container stored at the facility.	6
	CLIENT	U. S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Rick Claytor	06/24/07

**Arnette Fire Site  
Richmond, Missouri**



TETRA TECH PROJECT NO. X9004.06.0001.045  Direction: North	DESCRIPTION	This photograph shows a 55-gallon drum with description of the contents.	7
	CLIENT	U. S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Rick Claytor	06/24/07



TETRA TECH PROJECT NO. X9004.06.0001.045  Direction: North	DESCRIPTION	This photograph shows the front side of the main Arnette Limited office.	8
	CLIENT	U. S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Rick Claytor	06/24/07

**Arnette Fire Site  
Richmond, Missouri**



TETRA TECH PROJECT NO. X9004.06.0001.045  Direction: North/Northeast	DESCRIPTION	This photograph shows an unnamed creek east of (adjacent to) the Arnette facility.	9
	CLIENT	U. S. Environmental Protection Agency Region 7	Date
	PHOTOGRAPHER	Rick Claytor	06/24/07

**APPENDIX C**  
**PRE-CERCLIS SCREENING FORM**

## REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

<b>I. SITE NAME AND LOCATION:</b>		
NAME: Arnette Limited, Inc. (Arnette Fire Site)		
ADDRESS OR OTHER LOCATION IDENTIFIER: 1002 West Main Street		
CITY: Richmond	STATE: Missouri	ZIP: 64085
DIRECTIONS TO SITE: From Kansas City, take State Route 210. Go east on State Route MO-210 for about 34 miles, then turn north on State Route MO-10. Follow MO-10 for about 1.5 miles, then turn east on MO-10 Business Route. The site is located approximately 2.3 miles east on MO-10 Business Route (West Main Street) on the south side of the street.		
MAP ATTACHED: See Figure 1 with Emergency Response Report		
<b>II. PROGRAM CONTACTS:</b>		
REQUESTED BY: Eddie McGlasson		DATE OF REQUEST: June 24, 2007
AGENCY/OFFICE: Environmental Protection Agency/Region 7 Superfund Division		
MAILING ADDRESS: 901 N 5 <sup>th</sup> Street		
CITY: Kansas City	STATE: Kansas	ZIP: 66101
TELEPHONE: (913) 551-7756	FAX: (913) 551-7948	
EVALUATOR: Kumud Pyakuryal		
AGENCY/OFFICE: Tetra Tech EMI		
MAILING ADDRESS: 415 Oak Street		
CITY: Kansas City	STATE: Missouri	ZIP: 64106
TELEPHONE: (816) 412-1778	FAX: (816) 410-1748	
<b>III. SITE INFORMATION:</b>		
TYPE OF FACILITY: Chemical manufacturing	TYPE OF OWNERSHIP: Commercial	
OWNER/OPERATOR INFORMATION: Arnette Limited, Inc., 1002 West Main Street, Richmond, Missouri 64085. Phone: (816) 776-3005. Contact: Gary Arnette		
SITE STATUS (active/inactive): Active	YEARS OF OPERATION: Unknown	
<p><b>OPERATIONAL HISTORY: (How was the site identified?)</b> Arnette is a chemical manufacturing company (synthetic rubber, polyurethane spray foam, etc.). The fire started in mid-afternoon on June 24, 2007, and was reported to the U.S. Environmental Protection Agency (EPA) emergency response hotline. The cause of the fire was unknown; however, it was believed to have started in a trailer containing several 55-gallon drums of various resins, epoxies, and solvents. At 1500 hours on June 24, 2007, the Tetra Tech Superfund Technical Assessment and Response Team (START) was tasked by EPA Region 7 to conduct air monitoring at the site, assess threats to surface water and sewer systems, and document response activities.</p>		

## REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

### IV. PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISIONS

(Criteria from "Improving site Assessment: Pre-CERCLIS Screening Assessments". OSWER Directive #9375.2-11FS, EPA-540-F-98-039, PB98-963310, October 1999)

1. Does the site already appear in CERCLIS? YES ☐ or NO ☒

(If YES, this Form may be inappropriate to document site decisions, i.e., a CERCLA PA (at a minimum) is required.)

2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures? YES ☐ or NO ☒

(If YES, then explain in Section V.)

3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or solely through naturally occurring processes or phenomena, from a location where it is naturally found? YES ☐ or NO ☒

(If YES, then explain in Section V.)

4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use? YES ☐ or NO ☒

(If YES, then explain in Section V.)

5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?

YES ☒ or NO ☐

(If YES, then explain in Section V.)

6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?

YES ☐ or NO ☒

(If YES, then explain in Section V.)

7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)? YES ☐ or NO ☒

(If YES, then explain in Section V.)

Check one, either 8.a or 8.b, whichever applies

8. a. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance releases have occurred, EPA approved risk assessment completed)? YES ☐ or NO ☐

(Explain in Section V.)

8. b. Based on limited sampling that has been performed at/near the site in conjunction with Pre-CERCLIS Screening Assessment, is there a potential for a release that could cause adverse environmental or human health impacts? YES ☒ or NO ☐

(Explain in Section V.)

Yes -> Explain in the following Sections whether or not a CERCLA response action (CERCLIS entry) is warranted.

No -> No CERCLIS entry is warranted. Explain in the following Sections.



## REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

<b>V. SUPERFUND SITE SCREENING CRITERIA</b>
<b>A. REMEDIAL CRITERIA</b>
<b>1. SOURCE AND WASTE CHARACTERISTICS</b>
<b>KNOWN OR SUSPECTED SOURCE TYPES AND LOCATIONS:</b> Aboveground storage tanks (AST), 55-gallon drums, totes, and other chemical containers.
<b>SIZE OF SOURCES AND QUANTITIES (Volume, Area):</b> The exact quantity is unknown. However, resins, epoxies, and solvents remain on site in various containers.
<b>WASTE TYPES OR HAZARDOUS SUBSTANCES KNOWN OR SUSPECTED TO BE PRESENT:</b> Solvents, resins, and epoxies.
<b>2. GROUND WATER PATHWAY:</b>
<b>What is the likelihood that a release to groundwater has occurred at the site?</b> Most chemical materials released during this incident are suspected to have been consumed by the fire. Residual substances in surface soils and runoff are not suspected to have impacted groundwater.
<b>If a release is not suspected proceed to A.3.</b>
<b>a. USE AND CHARACTERISTICS:</b>
<b>GENERAL STRATIGRAPHY AND HYDROLOGY:</b>
<b>PRESENCE OF KARST TERRAIN:</b>
<b>DEPTH TO SHALLOWEST AQUIFER:</b>
<b>PRIVATE WELLS WITHIN 4 MILES (locations and population served):</b>
<b>MUNICIPAL WELLS WITHIN 4 MILES (locations and population served):</b>
<b>DISTANCE TO NEAREST DRINKING WATER WELL:</b>
<b>WELLHEAD PROTECTION AREAS:</b>
<b>3. SURFACE WATER PATHWAY:</b>
<b>What is the likelihood that a release to surface water has occurred at the site?</b> Runoff from fire-fighting activities traveled to an unnamed creek adjacent to (east of) the facility. Indications of runoff were visible in the unnamed creek near the site; however, no impact was observed downstream of the site during a reconnaissance conducted by EPA and MDNR.
<b>If a release is not suspected proceed to A.4.</b>
<b>a. USE AND CHARACTERISTICS:</b>
<b>FLOOD FREQUENCY:</b> Unknown
<b>DISTANCE TO NEAREST SURFACE WATER:</b> Adjacent to the facility.
<b>SURFACE WATER BODIES WITHIN 15 DOWNSTREAM MILES:</b> An unnamed creek, adjacent to the site which received the drainage from the site travels south for approximately 1.5 miles from the probable point of entry (PPE) before it enters Willow Creek. Willow Creek then enters the Missouri River approximately 8 miles southeast of its confluence with the unnamed creek. The remainder of the 15-mile target distance limit lies within the Missouri River.
<b>DESIGNATED AND/OR PROTECTED USES OF SURFACE WATER BODIES:</b> Warm water resources designated by the Missouri Surface Water Standards; recreational

## REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

<b>DRINKING WATER INTAKES WITHIN 15 DOWNSTREAM MILES (locations and populations served):</b> Unknown
<b>FISHERIES WITHIN 15 DOWNSTREAM MILES:</b> West Fork Creek, the Crooked River, and Missouri River
<b>KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS AND WETLANDS WITHIN 15 DOWNSTREAM MILES:</b> Multiple wetlands and surface water segments subject to recreational use.
<b>4. SOIL EXPOSURE PATHWAY:</b>
<b>What is the likelihood of exposure to hazardous substances at the site?</b> Some chemical materials involved in the fire are suspected to have been released to surface soils.
<b>a. CHARACTERISTICS:</b>
<b>NUMBER OF PEOPLE LIVING WITHIN 200 FEET:</b> 0
<b>SCHOOLS OR DAY-CARES WITHIN 200 FEET:</b> None identified
<b>POPULATIONS WITHIN 1 MILE:</b> Approximately 3,454
<b>NUMBER OF WORKERS AT THE FACILITY OR ADJACENT FACILITIES WHOSE CONTAMINATION IS SUSPECTED:</b> Greater than 10
<b>LOCATIONS OF KNOWN OR POTENTIAL TERRESTRIAL SENSITIVE ENVIRONMENTS:</b> Unknown
<b>5. AIR PATHWAY:</b>
<b>What is the likelihood that a release of hazardous substances is migrating from the site to the air?</b> It is likely that hazardous substances were released to ambient air during the fire; however, no significant release was identified by Tetra Tech START on June 24, 2007, during real-time air monitoring conducted after the fire had been extinguished.
<b>If a release is not suspected proceed to B.</b>
<b>a. CHARACTERISTICS</b>
<b>POPULATIONS WITHIN 4 MILES:</b>
<b>DISTANCE TO NEAREST INDIVIDUAL:</b>
<b>LOCATIONS OF KNOWN OR POTENTIAL SENSITIVE ENVIRONMENTS WITHIN 0 TO 1/4 MILE AND 1/4 TO 1/2 MILE:</b>
<b>B. REMOVAL CRITERIA</b>
<b>IS THERE A RELEASE AS DEFINED BY THE NCP?</b> YES <input checked="" type="checkbox"/> or NO <input type="checkbox"/>
<b>EXPLAIN:</b> Chemical materials were released from ASTs, drums, totes, and other containers during the fire. Additional chemicals remained in various containers, many of which were in poor condition.
<i>(A RELEASE is defined as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment of barrels, containers, and other closed receptacles containing any hazardous substances or pollutant or contaminant), but excludes: workplace exposures; engine exhaust emissions; nuclear releases otherwise regulated; and the normal application of fertilizer. For purposes of the NCP, release also means threat of release. [40 CFR 300.410(e)])</i>

## REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

### B. REMOVAL CRITERIA (continued):

**IS THE SOURCE A FACILITY OR VESSEL AS DEFINED BY THE NCP?**

YES ☒ or NO ☐

**EXPLAIN:** The property where the fire occurred is a facility as defined by the NCP.

*(A FACILITY is defined as any building, structure, installation, equipment, pipe or pipeline (including any pipe into a sewer or POTW), well, pit, pond, lagoon, impoundment, ditch, landfill, storage container, motor vehicle, rolling stock, or aircraft or any site or area, where a hazardous substance has been deposited, stored, disposed of, or placed, or otherwise come to be located; but does not include any consumer product in consumer use or any vessel. A VESSEL is defined as any description of watercraft or other artificial contrivance used, or capable of being used, as a means of transportation on water other than a public vessel. [40 CFR 300.410(e)])*

**DOES THE RELEASE INVOLVE A HAZARDOUS SUBSTANCE, POLLUTANT OR CONTAMINANT AS DEFINED BY THE NCP?**

YES ☒ or NO ☐

**EXPLAIN:**

*(A HAZARDOUS SUBSTANCE means any substance, element, compound, mixture, solution, hazardous waste, toxic pollutant, hazardous air pollutant, or imminently hazardous chemical substance or mixture designated pursuant to the CWA, CERCLA, SDWA, CAA or TSCA. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas. The definition of POLLUTANT or CONTAMINANT includes, but is not limited to, any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions or physical deformations, in such organisms or their offspring. The term does not include petroleum products, natural gas, natural gas liquids, liquefied natural gas, synthetic gas or mixtures of natural and synthetic gas.) [40 CFR 300.410(e)]*

**IS THE RELEASE SUBJECT TO THE LIMITATIONS ON RESPONSE?**

YES ☐ or NO ☒

**EXPLAIN:** No limitations on response apply.

*(The LIMITATIONS ON RESPONSE provisions of the NCP (40 CFR 300.400(B)) states that removals shall not be undertaken in response to a release: of a naturally occurring substance in its unaltered or natural form; from products that are a part of the structure of, and result in exposure within, residential buildings or business or community structures; or into public or private drinking water supplies due to deterioration of the system through ordinary use.) [40 CFR 300.410(e)]*

**DOES THE QUANTITY OR CONCENTRATION WARRANT RESPONSE?**

YES ☒ or NO ☐

**EXPLAIN:** A release of CERCLA hazardous substances likely impacted surface soils, and runoff from the site occurred—perhaps to a degree warranting followup response to address appropriate disposal of impacted media.

*[40 CFR 300.410(e)]*

**HAS A PRP BEEN IDENTIFIED? (Include name, address and telephone number)**

YES ☒ or NO ☐

**Property Owner:**

Arnette Limited, Inc.  
1002 West Main Street  
Richmond, Missouri 64085  
Phone: (816) 776-3005

*[40 CFR 300.410(e)]*

## REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

### B. REMOVAL CRITERIA (continued):

**IS THERE AN ACTUAL OR POTENTIAL EXPOSURE TO HAZARDOUS SUBSTANCES OR POLLUTANTS, OR CONTAMINANTS?** YES ☒ or NO ☐

**EXPLAIN:** Solvents and other chemical materials suspected to contain hazardous substances had been reportedly stored at the site and were involved in the fire.

**IS THERE ACTUAL OR A POTENTIAL FOR CONTAMINATION OF DRINKING WATER SUPPLIES?** YES ☐ or NO ☒

**EXPLAIN:** No potential for contamination of drinking water supplies is believed to exist.

**ARE THERE HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN DRUMS, BARRELS, OR BULK STORAGE CONTAINERS?** YES ☒ or NO ☐

**EXPLAIN:** Several ASTs are on the site, along with 55-gallon drums, totes, and other bulk storage containers.

**ARE THERE HIGH LEVELS OF HAZARDOUS SUBSTANCES, POLLUTANTS, OR CONTAMINANTS IN NEAR-SURFACE SOILS?** YES ☒ or NO ☐

**EXPLAIN:** Hazardous substances are suspected to have been released to surface soils as a result of the fire.

*("High levels" may be determined by streamlined risk assessments, health consultations, state or federal soil screening criteria, and/or Superfund program policies or directives.)*

**ARE THERE CONDITIONS ON SITE WHICH MAY BE SUSCEPTIBLE TO IMPACT FROM ADVERSE WEATHER CONDITIONS?** YES ☒ or NO ☐

**EXPLAIN:** Most fire-fighting water appeared to have been contained to the site and nearby areas; however, heavy rainfall could have promoted off-site migration of contaminated runoff.

**IS THERE A THREAT OF FIRE OR EXPLOSION?** YES ☒ or NO ☐

**EXPLAIN:** Flammable and combustible chemical materials had been stored at the site.

**IS THERE A POTENTIAL FOR OTHER FEDERAL OR STATE RESPONSE MECHANISMS? IF SO, IDENTIFY THE APPROPRIATE PROGRAM:** YES ☒ or NO ☐

☐ RCRA ☐ NRC ☐ FIFRA ☐ UST ☐ OTHER FEDERAL (\_\_\_\_) ☒ STATE DEFERRAL

**EXPLAIN:** The Missouri Department of Natural Resources (MDNR) provided oversight and guidance during response and cleanup activities.

**ARE THERE OTHER SITUATIONS OR FACTORS WHICH WARRANT FURTHER SUPERFUND RESPONSE?** YES ☐ or NO ☒

**EXPLAIN:** No such conditions have been identified.

## REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

<b>VI. SUPERFUND SITE SCREENING FINDINGS AND RECOMMENDATIONS:</b>							
NO FURTHER SUPERFUND RESPONSE ACTION REQUIRED - SUPERFUND CERCLIS ENTRY NOT WARRANTED							
(Cite the appropriate criteria from SECTION V as the basis for the above determination.)							
Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
			Ground Water Pathway Threat				Direct Exposure Pathway Threat
			Surface Water Pathway Threat				Air Pathway Threat
			Release Or Threat Of Release				A Facility Or Vessel
			Hazardous Substance, Pollutant, or Contaminant				Subject To Response Limitations
			Contaminants present in Significant Quantity And/Or Concentration				Exposure To Hazardous Substances Or Pollutants Or Contaminants
			Drums, Barrels Or Bulk Containers Present				High Levels Of Contaminants In Surface Soils
			Site Susceptible To Adverse Weather Conditions				Threat Of Fire Or Explosion
			Willing/Capable PRP Response				Referred To Another Program
<b>COMMENT:</b>							
REMOVAL ACTION RECOMMENDED: <input checked="" type="checkbox"/> EMERGENCY <input type="checkbox"/> TIME-CRITICAL <input type="checkbox"/> NON-TIME-CRITICAL							
(Cite one or more of the conditions or factors from Section V. REMOVAL CRITERIA, as a basis for recommending that a removal action be conducted.)							
Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
X			Exposure To Hazardous Substances Or Pollutants Or Contaminants		X		Actual Or A Potential For Contamination Of Drinking Water Supplies
X			Drums, Barrels Or Bulk Containers Present	X			High Levels of Contaminants Near-Surface Soils
X			Site Susceptible To Adverse Weather Conditions	X			Fire/Explosion Threat
X			Other Response Mechanism		X		Other Factors
<b>COMMENT:</b> Following the fire, the potentially responsible party (PRP) coordinated cleanup activities at the site under the supervision of MDNR. Because it appeared the PRP was responding appropriately to address threats to human health and the environment, no further Superfund response appears warranted.  (Complete Recommended Removal Action Attachment and the Site Prioritization Information Summary Attachment for sites recommended for a Removal Action.							

## REGION VII SUPERFUND SITE PRE-CERCLIS SCREENING FORM

### VI. SUPERFUND SITE SCREENING RECOMMENDATIONS (continued):

#### ADDITIONAL INTEGRATED ASSESSMENT RECOMMENDED

(Cite the appropriate criteria from Section V as a basis for recommending that additional site evaluation be performed.)

Yes	No	Unknown	Issue	Yes	No	Unknown	Issue
			Ground Water Pathway Threat				Direct Exposure Pathway Threat
			Surface Water Pathway Threat				Air Pathway Threat
			Release Or Threat Of Release				A Facility Or Vessel
			Hazardous Substance, Pollutant, or Contaminant				Subject To Response Limitations
			Contaminants present in Significant Quantity And/Or Concentration				Exposure To Hazardous Substances Or Pollutants Or Contaminants
			Drums, Barrels Or Bulk Containers Present				High Levels Of Contaminants In Surface Soils
			Site Susceptible To Adverse Weather Conditions				Threat Of Fire Or Explosion
			Willing/Capable PRP Response				Referred To Another Program

COMMENT:

### VII. ADDITIONAL INFORMATION OR COMMENTS

(NOTE: Complete Site Prioritization Information Summary Attachment for sites recommended for further Integrated Assessment work.)

#### EPA USE ONLY

### VIII. DETERMINATION

SIGNATURE: \_\_\_\_\_  
Name/Title/Office

DATE:

**APPENDIX D**  
**LOGBOOK**

mead.

# COMPOSITION

ARNETTE LIMITED SITE

JUNE 24, 2007

**OFFICIAL** 100 sheets • 200 pages  
9¾ x 7½ in/247 x 190 mm  
wide ruled

MeadWestvaco Consumer & Office Products, Dayton, Ohio 45483  
Made in China 09157 © 2005 MeadWestvaco Corporation





5/10/07

ARNETTE LIMITED INC.

70 - RICHMOND CHEMICAL FIRE

(AMERICAN MP. WILCON PLASTICS) MP 06-24-07

3:00PM AT 3:00 START TEAM MEMBER (STM) RICK CLAYTOR RECEIVED A CALL FROM EPA OSC EDDIE MCGLOSSON REGARDING A CHEMICAL FIRE AT ARNET INDUSTRIES LOCATED IN RICHMOND, MISSOURI.

3:10PM STM CLAYTOR RECEIVE A CALL FROM OSC JOE DAVIS ON THE SPIU LINE CONFIRMING A REQUEST FOR 2 START MEMBERS AT THE SITE.

3:15PM STM CLAYTOR CALLED STM KUMUD PYAKURYAL AND REQUESTS TO MEET AT THE TETRA TECH OFFICES IN LENEXA, KANSAS TO MOBILIZE TO THE SITE.

4:10PM STMS RICK CLAYTOR AND PYAKURYAL MEET AT THE EMERGENCY RESPONSE VEHICLE GARAGE. TO LOAD EQUIPMENT, NAMELY DATA ORAM, PID, GULAN PERSONAL SAMPLING PUMP, CALIBRATION KIT, AND WALKIE-TALKIES.

4:20PM STMS CLAYTOR AND PYAKURYAL DEPART FOR THE SITE

5:30PM ARRIVED @ THE SITE. OSC MCGLOSSON REQUESTS FURTHER INSPECTIONS

5:40 PM MULTI RAB PLUS - calibrated gw reading -

5:50 PM OUTSIDE OF THE MAIN BUILDING, THE MULTI-RAB READING CO = 3 ppm, VOC = 0.6 ppm  
O<sub>2</sub> = 20.9%. LEL = 0

Wm  
6-21-07

304 ATTEMPTED BY DATA

Arnette Fire

(CONTINUED)

6-24-07

5:50 PM - THE AIR OUTSIDE THE BUILDING WAS IRRITATING  
TO THE EYES AND NOSE. TO DATE, THE  
IRRITANT APPEARS NOT TO BE VOLATILE  
ORGANIC CHEMICAL/COMPOUND (VOC).

THE OPERATIONAL PROCESSES ARE UNKNOWN.

6:15 PM OSC McGLASSONS SUGGESTS COLLECTING SAMPLES  
DOWN THE ADJACENT CREEK.

6:20 PHOTOS ARE TAKEN OF THE SITE (BY STM CLAYTOR)  
PHOTO #1 - LOOKING SOUTH/SOUTHWEST OF  
THE FACILITY  
PHOTO #2 - LOOKING WEST INTO THE  
MAIN BUILDING

*W. J. [Signature]*  
6-24-07

(CONTINUED)

Arnette Fire  
6-24-07

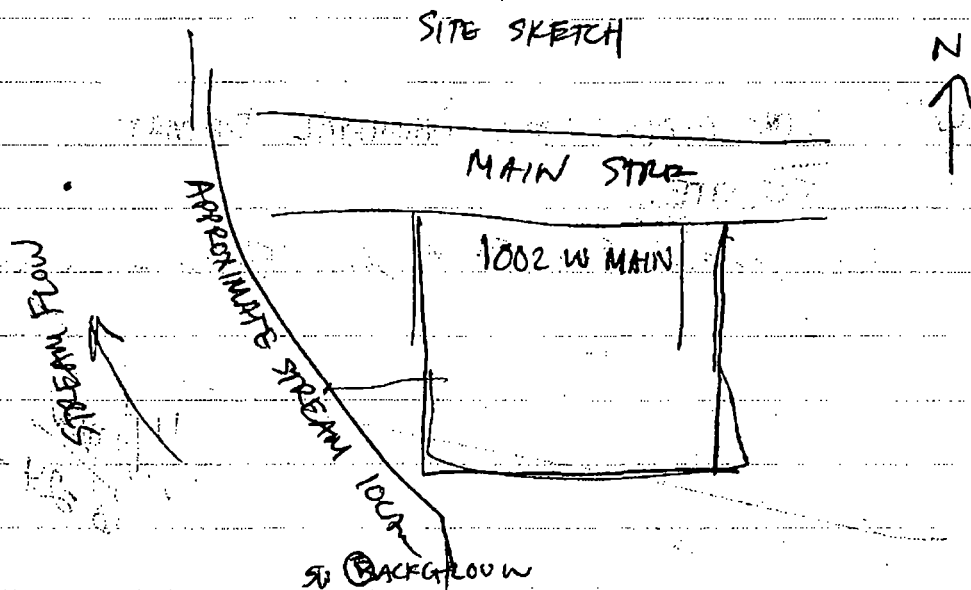
### ARNETTE

SITE ADDRESS ~~ARNETTE~~ SITE WAS LOCATED NEXT TO  
OR NEAR - 301 INDUSTRIAL DRIVE  
RICHMOND, MISSOURI 64085

THE ABOVE MENTIONED ADDRESS CONTAINED A BUS  
NAMED "AMERICAN WILCON PLASTICS."

ACTUAL SITE ADDRESS   
ARNETTE  
~~ARNETTE~~ LIMITED INC  
1002 WEST MAIN ST.

### SITE SKETCH



7:00 PM

OSC McGLASSON WALKS DOWN TO THE ADJACENT  
CREEK TO COLLECT 4 SURFACE WATER  
AND 2 SEDIMENT SAMPLES.

SW SAM 1 - MOST DOWNSTREAM ~ 100 yards (downstream)  
of the PROBABLE POINT OF ENTRY (PPE)

SW SAMPLE 2 - ~~250 yds~~ approx 25 yards upstream of SAM 1  
SW SAMPLE 3 - at the PPE

*[Signature]*  
6-24-07

SWR data  
10-12-3

Annette Fire  
6-24-07

7:20 PM MDNR TYLER WARNER ARRIVED AT THE  
SCENE.

7:30

SAMPLE MANAGEMENT

4 SURFACE WATER SAMPLES (at PPE, at 75 yards <sup>downing</sup> upstream)  
2 SEDIMENT SAMPLES (at PPE & 15 yards upstream)

And 100 yd  
downs

8:00 PM STMS CLAYTOR AND PIATURAL DEPART  
THE SITE.

2:09 PM STMS AND BACK @ TT to set Equip in charge.

W. Warner  
6-24-07